2

Docket No.: 532792001001

## **AMENDMENTS**

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

- 1-19. (Cancelled).
- 20. (Currently Amended) A method of producing a genetically modified plant characterized as having increased disease resistance as compared to the corresponding wild-type plant, said method comprising:

contacting plant cells with a nucleic acid encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said nucleic acid is at least 75% identical to the sequence of SEQ ID NO:1 and wherein said nucleic acid is operatively associated with an expression control sequence, to obtain transformed plant cells;

producing plants from said transformed plant cells under conditions which allow expression of said constitutive disease resistance 1 (CDR1) polypeptide; and

selecting a plant exhibiting said increased disease resistance.

- 21. (Previously presented) The method of claim 20, wherein said increased disease resistance is increased resistance to a bacterial pathogen.
- 22. (Previously presented) The method of claim 21, wherein said bacterial pathogen is selected from the group consisting of *Pseudomonas syringe* pv. tomato (Pst) and *Pseudomonas syringe* pv. maculicola (Psm).
- 23. (Previously presented) The method of claim 20, wherein the expression control sequence is a promoter.
- 24. (Previously presented) The method of claim 20, wherein the contacting is by physical means.
- 25. (Previously presented) The method of claim 20, wherein the contacting is by chemical means.
- 26. (Previously presented) The method of claim 20, wherein the plant cells are selected form the group consisting of protoplasts, gamete producing cells, and cells which regenerate into whole plants.

sf-1773559

3

H

Docket No.: 532792001001

- 27. (Previously presented) The method of claim 20, wherein said nucleic acid is contained in a T-DNA derived vector.
- 28. (Previously presented) A plant produced by the method of claim 20.
- 29. (Previously presented) Plant tissue derived from a plant of claim 28.
- 30. (Previously presented) A seed derived from a plant of claim 28.
- 31. (Currently Amended) A method for genetically modifying a plant cell such that a plant, produced from said cell, is characterized as having increased disease resistance as compared with a wild-type plant, said method comprising:

introducing a polynucleotide encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said polynucleotide is at least 75% identical to the sequence of SEO ID NO:1 having the amino acid sequence of SEQ ID NO:2, or a conservative variant thereof, into a plant cell to obtain a transformed plant cell; and growing said transformed plant cell under conditions which permit expression of said constitutive disease resistance 1 (CDR1) polypeptide thereby producing a plant having increased disease resistance.

- 32. (Previously presented) The method of claim 31, wherein said increased disease resistance is increased resistance to a bacterial pathogen.
- 33. (Previously presented) The method of claim 32, wherein said bacterial pathogen is selected from the group consisting of *Pseudomonas syringe* pv. tomato (Pst) and *Pseudomonas syringe* pv. maculicola (Psm).
- 34.-38. (Cancelled)
- 39. (Currently Amended) A method of producing a genetically transformed, disease-resistant plant, comprising;

introducing into the genome of a plant cell to obtain a transformed plant cell, a nucleic acid sequence comprising an expression control sequence operably linked to a polynucleotide encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said polynucleotide is at least 75% identical to the sequence of SEQ ID NO:1; and

growing said transformed plant cell under conditions which permit expression of said constitutive disease resistance 1 (CDR1) polypeptide thereby producing a disease resistant plant.

40. (Previously presented) The method of claim 39, wherein said expression control sequence targets expression to a plant tissue selected from the group consisting of leaves, roots, shoots, and stems.

af-1773559

4

Docket No.: 532792001001

- 41. (Previously presented) The method of claim 39, wherein the polynucleotide has the nucleotide sequence of SEQ ID NO: 1.
- 42. (Previously presented) The method of claim 39, wherein said disease resistance is resistance to a bacterial pathogen.
- 43. (Previously presented) The method of claim 42, wherein said bacterial pathogen is selected from the group consisting of *Pseudonionas syringe* pv. tomato (Pst) and *Pseudomonas syringe* pv. maculicola (Psm).
- 44. (Previously Presented) A plant produced by the method of claim 39.
- 45. (Previously Presented) Plant tissue derived from a plant produced by the method of claim 39.
- 46. (Previously Presented) A seed derived from a plant produced by the method of claim 39.

## 47.-51. (Cancelled)

- 52. (Currently Amended) A recombinant plant exhibiting increased resistance to disease as compared to the corresponding wild-type plant, wherein said recombinant plant comprises a recombinant nucleic acid encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said recombinant nucleic acid is at least 75% identical to the sequence of SEO ID NO:1.
- 53. (Previously presented) The recombinant plant of Claim 52, wherein said recombinant nucleic acid has the nucleotide sequence of SEQ ID NO: 1.
- 54. (Previously presented) The recombinant plant of Claim 52, wherein said CDR1 polypeptide has the amino acid sequence of SEQ ID NO: 2, or a conservative variation thereof.
- 55. (Previously presented) The recombinant plant of Claim 52, wherein said increased resistance to disease comprises increased resistance to bacterial infection.
- 56. (New) A method of producing a genetically modified plant characterized as having increased disease resistance as compared to the corresponding wild-type plant, said method comprising:

contacting plant cells with a nucleic acid encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said nucleic acid hybridizes to a nucleic acid sequence which is fully complementary to SEQ ID NO:1, or the full-length complement of SEO ID NO:1, under wash stringency conditions of 0.2 x SSC at 42° C and wherein said nucleic acid is operatively associated with an expression control sequence, to obtain transformed plant cells;

producing plants from said transformed plant cells under conditions which allow expression of said constitutive disease resistance 1 (CDR1) polypeptide; and

selecting a plant exhibiting said increased disease resistance.

sf-1773559

5

Docket No.: 532792001001

57. (New) A method for genetically modifying a plant cell such that a plant, produced from said cell, is characterized as having increased disease resistance as compared with a wild-type plant, said method comprising:

introducing a polynucleotide encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said polynucleotide hybridizes to a nucleic acid sequence which is fully complementary to SEQ ID NO:1, or the full-length complement of SEO ID NO:1, under wash stringency conditions of 0.2 x SSC at 42° C, into a plant cell to obtain a transformed plant cell; and growing said transformed plant cell under conditions which permit expression of said constitutive disease resistance 1 (CDR1) polypeptide thereby producing a plant having increased disease resistance.

58. (New) A method of producing a genetically transformed, disease-resistant plant, comprising;

introducing into the genome of a plant cell to obtain a transformed plant cell, a nucleic acid sequence comprising an expression control sequence operably linked to a polynucleotide encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said polynucleotide hybridizes to a nucleic acid sequence which is fully complementary to SEQ ID NO:1, or the full-length complement of SEO ID NO:1, under wash stringency conditions of 0.2 x SSC at 42° C; and

growing said transformed plant cell under conditions which permit expression of said constitutive disease resistance 1 (CDR1) polypeptide thereby producing a disease resistant plant.

59. (New) A recombinant plant exhibiting increased resistance to disease as compared to the corresponding wild-type plant, wherein said recombinant plant comprises a recombinant nucleic acid encoding a constitutive disease resistance 1 (CDR1) polypeptide, wherein said recombinant nucleic acid hybridizes to a nucleic acid sequence which is fully complementary to SEQ ID NO:1, or the full-length complement of SEO ID NO:1, under wash conditions of 0.2 x SSC at 42° C.